Approved For Release 2005/11/21: CIA-RDP78-03576A000100020012-6

Addressées:

Director, National Photographic Interpretation Center

Director of Foreign Missile and Space Analysis Center

Director of Scientific Intelligence

Director of Computer Services

Director of Communications

Director of Special Projects

Director of ELINT

Chief, Technical Services Division

Training Officer, National Photographic Interpretation Center

Training Officer, Foreign Missile and Space Analysis Center

Training Officer, Office of Scientific Intelligence

Training Officer, Office of Computer Services

Training Officer, Office of Communications

Training Officer, Office of Special Projects

Training Officer, Office of ELINT

Training Officer, Technical Services Division

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COURSE CRITIQUE

FORM		RATING
 Format of the course was time commitment and to of a particular topical area. 	as intended to accommodate to a ro provide for a full-day class treatr Please rate:	ough ment
	1 day/month 4 hours/every 2 weeks	1
Do not schedule that working Saturday. The point of the application	e Friday afternoon half some of us can it just drop ions session was to illustrate when	day sessions eith
The point of the application are effectiveness:	E Friday afternoon half some of us can't just drop ons session was to illustrate when utilized in the real world. Pleas Material relevance	for an all day sess f day sessions eith all bor projects for the socke of the cours e
Do not schedule that working Saturday, The point of the application urrent course material was ate effectiveness:	E Friday afternoon half some of us can't just drop ons session was to illustrate when utilized in the real world. Pleas Material relevance Applications speakers	for an all day sess day sessions eith all low projects for y ce soke at the cours e
The point of the application are effectiveness:	Material relevance	for an all day sess day sessions eith all low projects for y ce soke at the cours e
ate effectiveness: The purpose of the home	Material relevance Applications speakers work was to exercise topical mater	1
ate effectiveness:	Material relevance Applications speakers work was to exercise topical mater	1

4. The goal of the intermediate 2-hour session was to give a "keepalive" exercise in the topical area. Please rate these alternatives for continuity:

Without 2. The current

Problem-solving session Second applications session 1

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5. The class was intended to be we pictorial development in order to co	eighted towards a blackboard- onvey modelling concepts more	
readily. Please rate:		
	? (Diagrammatic presentation Mix of vuegraphs & chalkboard	$\frac{1}{1}$ $\frac{1}{1}$
.a.		
6. The symbology of various system the separate source developments. made in order to permit cross interliterature. Please rate effectiveness	pretation within the technical	
	Common symbology Example illustrations	
7. The intent of notes and handout numbers month was to tie course topics to tec	naterial furnished throughout the chnical literature. Please rate:	5
	Effectiveness of handout reprints Effectiveness of specially developed handouts	1 /10 1 /10
		ľ
3. General impedimenta such as sar format, etc., for providing continuit	me room same day/month, same y. Please rate:	
	Room Day or long advance notice Daily sequence	1 10 1 10
. The course was designed to prese everal disciplines: Please rate app	ent a semi-unitary approach to licable areas 1-10:	
Communications 7 Options. Eng. & Biomed. 3 Seis Computer Technology 10	ics 7 Acoustics 5 Smics 3 Pictorial 5	- -
87	Radar 10	

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RATING

SUBSTANCE

10. The course material was split commonality subsystems. (Those in designs across disciplines.) Th by ASEE for math modelling relate	subsystems which are pervale sequence was that recomm	sive ended
	Balance of material Total content	1 /10
DEE TEVENSE	e eide for comm	ients
	ow for each session. Please and for the applications given ept development.	- ·
11. Session I; Vectorial Represen linear systems, sampling, manipu	-	sis,
	Material Application	1 40
12. Session II; Transforms; convo transformations, Z transforms, in analysis.		·
	Material	1 40
	Application	1
13. Session III; Probability and St expectancy, density functions, dist		
	Material	1 1
•	Application	1
14. Session IV; Stochastic Variable moments, correlation, power specification.		·.
	Material	1 1 <i>U</i>
	Application	1 1
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I judge "Application" in the more general light that it is difficult new herfices to apply much of the material to my every day work. Mevertheless I consider it valuable as an aid to understanding work that others are doing or have done. I have made no attempt to exercise subtle judgment on the relative merits of one session versus another. Its all important to the understanding of complex electronic systems.

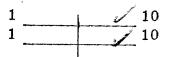
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15. Session V; Signal Detection detection, Bayes Law.	a; value, cost liklihood ratio	
	Material	1 / 10
	Application	1 10
	Application	
16. Session VI; Detector Subsy characteristics, detection situa and prediction.	stems I; receiver operating tions, S/N ratio, data smoot	hing
	Material	1 1 10
	Application	1 10
		· ·
whitening, matched filtering, the chains.	Material Application	1 10
18. Session VIII; Spatial Proce filtering, correlation matrix fo	essing I; space-time relations or signal and noise.	hips, spatial
·	Material	1 / 10
	A pplication	1
	•	
•		
19. Session IX Spatial Process filtering, lobe periodicity.	sing II; optimum array, shad	ing, optimum
e de la companya del companya de la companya del companya de la co	Material	1 10
•	Amplication	1 - 10

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20. Session X; Servomechanisms and Control; closed loop systems, regulation, feedback, root locus, stability criteria, bang-bang systems.

Material Application



21. Session XI; Modulation; analog modulation, AM, FM, PM, supressed band modulation, effects of index of modulation noise immunity.

Material Application

1		10
1	 	10

22. Session XII; Modulation; PPM, PWM, PCM, error correction codes, noise immunity, entropy. (Content Only)

Material Application

1	 V	10
1	. 1	10